

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 01/0161

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/46, H04L 29/06, G06F 15/17

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002080800 A1 (LEE, J.-S. ET AL), 27 June 2002 (27.06.02), whole document --	1-12
A	WO 0219056 A2 (VERIZON COMMUNICATIONS INC), 7 March 2002 (07.03.02), page 11, line 14 - page 13, line 20, claims 1-18, abstract --	1-12
A	US 2002052972 A1 (YIM, U.-S.), 2 May 2002 (02.05.02), whole document --	1-12
A	US 6405248 B1 (WOOD, M.), 11 June 2002 (11.06.02), claims 1-16, abstract --	1-12

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  19 August 2003	Date of mailing of the international search report  28 -08- 2003
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer  Roger Bou Faisal /LR Telephone No. +46 8 782 25 00

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 00 161

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6047325 A (JAIN, L. ET AL), 4 April 2000 (04.04.00), whole document</p> <p>-- -----</p>	1,7

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

26/07/03

International application No.  
PCT/SE 03/0161

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
US	2002080800	A1	27/06/02	NONE	
WO	0219056	A2	07/03/02	AU 7922501 A	13/03/02
				AU 8114301 A	13/03/02
				WO 0219595 A	07/03/02
US	2002052972	A1	02/05/02	KR 2002017265 A	07/03/02
US	6405248	B1	11/06/02	AU 2351700 A	19/06/00
				EP 1171831 A	16/01/02
				JP 2002531968 T	24/09/02
				US 6108702 A	22/08/00
				WO 0033205 A	08/06/00
US	6047325	A	04/04/00	NONE	